WHAT IS CLAIMED IS:

1. A compound of formula (I)

N-Ac-Sar-Gly-AA³-AA⁴-AA⁵-AA⁶-AA⁷-Arg-Pro-AA¹⁰

(I),

- or a pharmacutically acceptable salt, ester, prodrug, or solvate thereof, wherein AA³ is selected from the group consisting of
 - (1) glutaminyl,
 - (2) phenylalanyl,
 - (3) valyl, and
 - (4) asparaginyl;
 - AA⁴ is selected from the group consisting of
 - (1) D-isoleucyl
 - (2) isoleucyl,
 - (3) D-leucyl, and
 - (4) D-alloisoleucyl;
 - AA⁵ is selected from the group consisting of
 - (1) seryl,
 - (2) methionyl,
 - (3) allothreonyl,
 - (4) threonyl, and
 - (5) tyrosyl;
 - AA6 is selected from the group consisting of
 - (1) norvalyl,
 - (2) seryl,
 - (3) tryptophyl,
 - (4) glutaminyl, and
 - (5) prolyl;
 - AA⁷ is selected from the group consisting of
 - (1) isoleucyl,
 - (2) D-isoleucyl,
 - (3) lysyl(acetyl), and
 - (4) prolyl; and
 - AA¹⁰ is selected from the group consisting of
 - (1) D-alanylamide,
 - (2) ethylamide, and
 - (3) isopropylamide;

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with the proviso that one of AA⁴ and AA⁷ is a D-amino acid.

- 2. A compound according to Claim 1 wherein AA⁴ is D-Ile.
- 3. A compound according to Claim 2 selected from the group consisting of N-Ac-Sar-Gly-Gln-D-Ile-Thr-Nva-Ile-Arg-Pro-D-AlaNH₂, N-Ac-Sar-Gly-Phe-D-Ile-Thr-Nva-Ile-Arg-Pro-D-AlaNH₂, N-Ac-Sar-Gly-Val-D-Ile-alloThr-Nva-Ile-Arg-ProNHCH₂CH₃,
- N-Ac-Sar-Gly-Val-D-Ile-alloThr-Nva-Ile-Arg-ProNHCH₂CH₃,
 N-Ac-Sar-Gly-Val-D-Ile-Thr-Nva-D-Ile-Arg-ProNHCH₂CH₃,
 N-Ac-Sar-Gly-Gln-D-Ile-Thr-Nva-D-Ile-Arg-ProNHCH₂CH₃,
 N-Ac-Sar-Gly-Asn-D-Ile-Thr-Nva-Lys(Ac)-Arg-ProNHCH₂CH₃,
 N-Ac-Sar-Gly-Val-D-Ile-alloThr-Ser-Ile-Arg-ProNHCH₂CH₃,
 N-Ac-Sar-Gly-Gln-D-Ile-alloThr-Nva-Ile-Arg-ProNHCH₂CH₃,
 N-Ac-Sar-Gly-Val-D-Ile-alloThr-Nva-Pro-Arg-ProNHCH₂CH₃,
 N-Ac-Sar-Gly-Val-D-Ile-Thr-Gln-D-Ile-Arg-ProNHCH₂CH₃,
 N-Ac-Sar-Gly-Val-D-Ile-Met-Nva-Ile-Arg-Pro-D-AlaNH₂, and
 N-Ac-Sar-Gly-Val-D-Ile-alloThr-Pro-Ile-Arg-ProNHCH₂CH₃.
 - 4. A compound according to Claim 1 wherein AA⁴ is D-Leu.
 - 5. A compound according to Claim 4 selected from the group consisting of N-Ac-Sar-Gly-Asn-D-Leu-Ser-Nva-Ile-Arg-ProNHCH₂CH₃, and N-Ac-Sar-Gly-Asn-D-Leu-Thr-Ser-Ile-Arg-ProNHCH₂CH₃.
 - 6. A compound according to Claim 1 wherein AA⁴ is D-alloIle.
 - 7. A compound according to Claim 6 selected from the group consisting of N-Ac-Sar-Gly-Val-D-allolle-Ser-Thr-Ile-Arg-ProNHCH₂CH₃, N-Ac-Sar-Gly-Gln-D-allolle-Tyr-Nva-D-Ile-Arg-ProNHCH₂CH₃, N-Ac-Sar-Gly-Gln-D-allolle-Thr-Nva-Ile-Arg-Pro-D-AlaNH₂, N-Ac-Sar-Gly-Val D-allolle-Thr-Tra-Ile-Arg-Pro-D-Ile-Arg
- N-Ac-Sar-Gly-Val-D-alloIle-Thr-Trp-Ile-Arg-ProNHCH₂CH₃, N-Ac-Sar-Gly-Val-D-alloIle-Ser-Ser-Ile-Arg-ProNHCH(CH₃)₂, N-Ac-Sar-Gly-Val-D-alloIle-Thr-Trp-D-Ile-Arg-ProNHCH₂CH₃, N-Ac-Sar-Gly-Val-D-alloIle-alloThr-Gln-Ile-Arg-ProNHCH₂CH₃, and N-Ac-Sar-Gly-Val-D-alloIle-Ser-Ser-Ile-Arg-Pro-D-AlaNH₂.

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- 8. A pharmaceutical composition comprising a compound of Claim 1, or a pharmacutically acceptable salt, ester, prodrug, or solvate thereof, and a pharmaceutically acceptable carrier.
- 9. A method of treating a patient in need of anti-angiogenesis therapy comprising administering to the patient in need a therapeutically effective amount of a compound in Claim 1, or a pharmacutically acceptable salt, ester, prodrug, or solvate thereof.

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- 10. A composition for the treatment of a disease selected from cancer, arthritis, psoriasis, angiogenesis of the eye associated with infection or surgical intervention, macular degeneration and diabetic retinopathy comprising a peptide as defined in Claim 1, or a pharmacutically acceptable salt, ester, prodrug, or solvate thereof, in combination with a pharmaceutically acceptable carrier.
- 11. A method of isolating a receptor from an endothelial cell comprising binding a peptide as defined in Claim 1, or a pharmacutically acceptable salt, ester, prodrug, or solvate thereof, to the receptor to form a peptide receptor complex; isolating the peptide receptor complex; and purifying the receptor.

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12. A compound selected from the group consisting of

N-Ac-Sar-Gly-Gln-D-Le-Thr-Nva-Ile-Arg-Pro-D-AlaNH₂,

N-Ac-Sar-Gly-Phe-D-Ile-Thr-Nva-Ile-Arg-Pro-D-AlaNH2,

N-Ac-Sar-Gln-Val-D-Ile-Thr-Nva-Ile-Arg-ProNHCH2CH3,

N-Ac-Sar-Gly-Val-D-Ile-alloThr-Nva-Ile-Arg-ProNHCH2CH3,

N-Ac-Sar-Gly-Val-D-Ile-Thr Nva-D-Ile-Arg-ProNHCH₂CH₃,

N-Ac-Sar-Gly-Asn-D-Leu-Ser Nva-Ile-Arg-ProNHCH2CH3,

N-(6-Me-Nicotinyl)-Sar-Gly-Val-D-Ile-Thr-Nva-Ile-Arg-ProNHCH2CH3,

N-Ac-Sar-Gly-Val-Ile-Thr-Nva-D-Ile-Arg-ProNHCH2CH3,

10 N-Ac-Sar-Gly-Val-D-allolle-Ser-Thr-Ile-Arg-ProNHCH₂CH₃,

N-Ac-Sar-Gly-Gln-D-Ile-Thr-Nva-D\le-Arg-ProNHCH₂CH₃,

N-Ac-Sar-Gly-Asn-D-Ile-Thr-Nva-Lys(Ac)-Arg-ProNHCH2CH3.

N-Ac-Sar-Gly-Gln-D-allolle-Tyr-Nva-D-tlle-Arg-ProNHCH2CH3,

N-Ac-Sar-Gly-Gln-D-allolle-Thr-Nva-Ile-Arg-Pro-D-AlaNH2,

15 N-Ac-Sar-Gly-Asn-D-Leu-Thr-Ser-Ile-Arg-ProNHCH₂CH₃,

N-Ac-Sar-Gly-Val-D-Ile-alloThr-Ser-Ile-Arg-ProNHCH₂CH₃,

N-Ac-Sar-Gly-Gln-D-Ile-alloThr-Nva-Ile-Arg-ProNHCH2CH3,

N-Ac-Sar-Gly-Val-D-Ile-alloThr-Nva-Pro-Arg-ProNHCH₂CH₃,
N-Ac-Sar-Gly-Val-D-alloIle-Thr-Trp-Ile-Arg-ProNHCH₂CH₃,
N-Ac-Sar-Gly-Val-D-alloIle-Ser-Ser-Ile-Arg-ProNHCH(CH₃)₂,
N-Ac-Sar-Gly-Val-D-Ile-Thr-Gln-D-Ile-Arg-ProNHCH₂CH₃,
N-Ac-Sar-Gly-Val-D-alloIle-Thr-Trp-D-Ile-Arg-ProNHCH₂CH₃,
N-Ac-Sar-Gly-Val-D-alloIle-Thr-Nva-Ile-Arg-D-ProNHCH₂CH₃,
N-Ac-Sar-Gly-Val-D-Ile-Met-Nva-Ile-Arg-Pro-D-AlaNH₂,

N-Ac-Sar-Gly-Val-D-Ile-alloThr-Pro-Ile-Arg-ProNHCH₂CH₃, N-Ac-Sar-Gly-Val-D-alloIle-alloThr-Gln-Ile-Arg-ProNHCH₂CH₃, and N-Ac-Sar-Gly-Val-D-alloIle-Ser-Ser-Ile-Arg-Pro-D-AlaNH₂.